



NATIONAL
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KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, Director

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This is the last issue of the 2005 Weekly Crop Weather Report. We thank and are most appreciative of the many farmers, county agricultural agents, county FSA offices, soil conservationists, and others who made this report possible by supplying the basic information each week. Thanks to Tom Priddy and the U.K. Ag Weather Center for supplying the weather data for this report. Also, thanks to the agricultural news media for the professional manner in which they distribute agricultural news across the State. Publication of the 2006 series will begin about the first week of April.

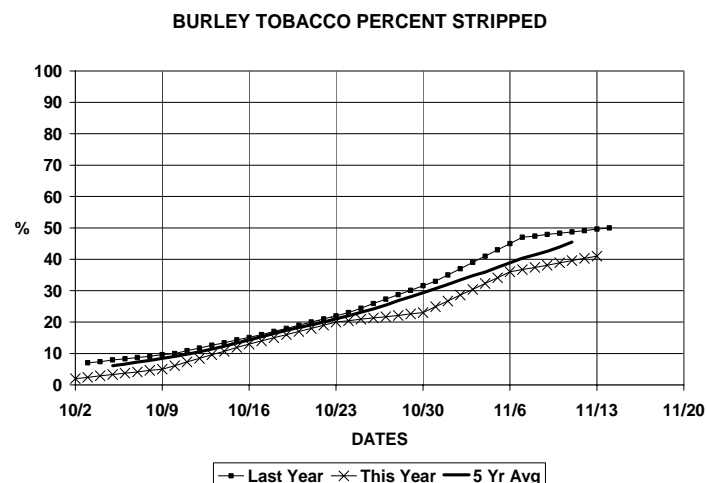
AGRICULTURAL NEWS: Harvest conditions the second week of November were very good as dry conditions continued across Kentucky. Farmers were busy completing their corn harvest and advancing their soybean harvest. Tobacco stripping however was slowed by lack of moisture in the air. Rain for the week occurred on Sunday with totals across the State generally one-quarter inch or less. Warmer than normal temperatures averaged in the mid-50's. Days suitable for fieldwork averaged 6.2 days out of seven. As of Friday, November 11, topsoil moisture was 50 percent very short, 36 percent short and 14 percent adequate. Subsoil moisture was 43 percent very short, 43 percent short and 14 percent adequate.

CORN AND SOYBEANS: With good harvest weather Kentucky farmers made great strides to complete their crop harvest. Combining of corn was complete except for a few scattered fields in the State. This was ahead of last year and the five-year average, both with 99 percent complete. Corn yield as of November 1 was 131 bushels per acre. Farmers indicated a good crop that at harvest produced more bushels than previously expected in many areas of the State. Soybean harvest advanced with the continued dry weather. As of Sunday, November 13, 96 percent of the soybeans had been harvested. This was significantly ahead of 2004 with 76 percent complete and the five-year average with 86 percent. Yields were good and on many farms better than previously expected. The soybean yield as of November 1 was 42 bushels per acre, only two bushels less than the record 44 bushel crop of 2004.

TOBACCO: Burley stripping advanced to 41 percent complete, up 5 percent from the previous week. Tobacco stripping has been slowed in many areas of the State due to low humidity levels that delays tobacco going into case. Last year at this time 50

percent of the crop had been stripped compared to the average of 49 percent. Condition of the stripped tobacco was 2 percent poor, 26 percent fair, 60 percent good and 12 percent excellent.

OTHER CROPS: Winter wheat seeding was 95 percent complete as of Sunday, November 13. This was ahead of 65 percent for 2004 and 84 percent for the five-year average. Germination and plant growth continues to be spotty. Some areas of the State that have adequate moisture have good germination and plant growth while drier areas have poor germination and growth. Condition of the germinated crop was 4 percent very poor, 21 percent poor, 35 percent fair, 37 percent good and 3 percent excellent. Pasture continues to suffer from generally dry soil conditions. It was rated 21 percent very poor, 32 percent poor, 38 percent fair, 8 percent good and 1 percent excellent. Condition of pasture as a whole declined from the previous week. Many farmers fed hay and there have been reports of low stock water supplies in some areas.



KENTUCKY CROP PROGRESS
WEEK ENDING NOVEMBER 13, 2005
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Corn					
Harvested	100	99	99	99	90
Soybeans					
Harvested	96	76	86	87	96
Winter Wheat					
Planted	95	65	84	90	95
Burley Tobacco					
Stripped	41	50	49	36	NA

(NA)Data Not Available.

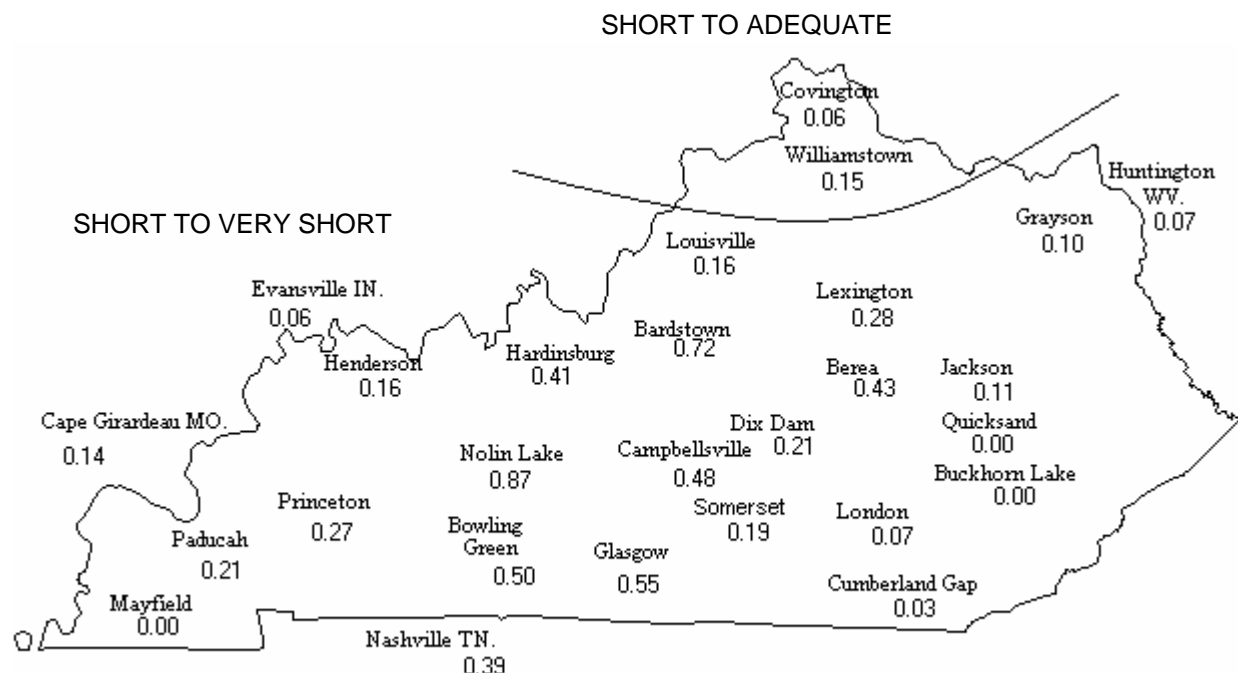
SOIL MOISTURE
WEEK ENDING NOVEMBER 11, 2005
WITH COMPARISONS

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	50	37
Short	36	45
Adequate	14	17
Surplus	0	1
SUBSOIL		
Very Short	43	40
Short	43	43
Adequate	14	16
Surplus	0	1

KENTUCKY CROP CONDITIONS (Percent)

WEEK ENDING NOVEMBER 11, 2005						WEEK ENDING NOVEMBER 4, 2005				
CROP	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT
Winter Wheat	4	21	35	37	3	2	24	36	36	2
Pasture	21	32	38	8	1	18	36	34	11	1
Stripped Tobacco	0	2	26	60	12	1	6	33	48	12

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, NOVEMBER 13, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, NOVEMBER 11, 2005



KENTUCKY WEATHER SUMMARY, NOVEMBER 7 - 13, 2005:

ABOVE NORMAL TEMPERATURE AND BELOW NORMAL RAINFALL:

Another dry, mild workweek. A frontal system moved through Kentucky at mid-week, but was mostly dry. Rainfall occurred on Sunday with rainfall totals generally one-tenth to one-quarter inch, with near reports of nearly one inch near Bowling Green. The latest Palmer Drought Index indicated Central and Bluegrass areas were in Moderate hydrologic drought and eastern Kentucky continued in Severe hydrologic drought. Western KY continued near normal.

Temperatures for the period averaged 56 degrees across the State which was 8 degrees above normal. High temperatures averaged from 69 in the West to 67 in the East. Departure from normal high temperatures ranged from 8 degrees above normal in the West to 9 degrees above normal in the East. Low temperatures averaged from 46 degrees in the West to 42 degrees in the East. Departure from normal low temperature ranged from 6 degrees above normal in the West to 6 degrees above normal in the East. Extreme high temperatures were near 83 degrees at Paducah and extreme low temperatures were in the mid-20's.

Rainfall for the period totaled 0.24 inches statewide which was 0.68 inches below normal. Rainfall totals by climate division, West 0.14 inches, Central 0.54 inches, Bluegrass 0.21 inches and East 0.07 inches, which was 0.86, 0.43, 0.62 and 0.81 inches respectively from normal. By station, rainfall totals ranged from a low of 0.00 inches at Buckhorn Lake to a high of 0.87 inches at Nolin Lake.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, NOVEMBER 13, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Relative Humidity	
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks			Wkly Avg.	Dev. From Norm	Average	
						High	Low			High	Low
	(Inches)			(Degrees Fahrenheit)							
Bardstown	0.72	27.69	1.43	-0.49	-1.28	76	26	55.9	+7	94	47
Berea	0.43	24.46	1.08	-5.43	-1.93	79	29	57.1	+10	86	47
Bowling Green	0.50	23.90	0.89	-6.44	-2.49	82	27	57.1	+9	--	--
Bristol	0.35	23.39	0.83	-1.96	-1.70	77	25	51.9	+5	--	--
Buckhorn Lake	0.00	13.45	0.85	-15.11	-2.09	77	28	55.9	+9	--	--
Cape Girardeau	0.14	25.76	1.46	-2.65	-1.71	81	31	57.7	+7	--	--
Campbellsville	0.48	25.46	0.88	-8.10	-2.38	78	26	56.9	+8	95	49
Covington	0.06	20.96	2.47	-5.74	-0.41	75	26	53.8	+7	--	--
Cumberland Gap	0.03	14.41	0.18	-16.58	-3.28	77	28	55.5	+9	94	48
Dix Dam	0.21	22.16	1.10	-7.19	-1.87	77	27	56.1	+9	--	--
Evansville	0.06	24.62	2.70	-2.25	-0.31	79	30	56.4	+6	--	--
Glasgow	0.55	29.05	0.76	-3.38	-2.67	81	25	58.1	+10	99	58
Grayson	0.10	21.93	1.56	-5.52	-1.26	78	27	53.9	+7	94	48
Hardinsburg	0.41	23.12	1.38	-6.90	-1.89	78	29	57.3	+9	94	54
Henderson	0.16	22.49	1.29	-5.38	-1.83	78	30	57.2	+6	94	48
Huntington	0.07	22.67	1.63	-4.98	-1.26	78	27	53.1	+6	--	--
Jackson	0.11	23.25	1.62	-6.52	-1.47	80	32	57.5	+11	--	--
Lexington	0.28	20.00	1.33	-8.18	-1.38	75	26	54.3	+7	--	--
London	0.07	20.93	1.00	-6.86	-2.01	77	26	52.9	+6	--	--
Louisville	0.16	23.69	1.45	-4.14	-1.46	75	29	56.1	+8	--	--
Mayfield	0.00	17.11	0.08	-14.34	-3.79	77	28	56.1	+5	94	48
Nashville	0.39	21.73	0.84	-6.34	-2.21	83	31	59.8	+11	--	--
Nolin Lake	0.87	24.62	1.51	-7.45	-1.98	80	28	57.4	+9	--	--
Paducah	0.21	22.94	0.38	-7.15	-2.94	83	31	59.6	+9	91	48
Princeton	0.27	26.18	0.84	-4.12	-2.64	82	30	58.9	+8	96	50
Quicksand	0.00	18.11	0.58	-11.66	-2.51	77	28	56.1	+9	94	48
Somerset	0.19	21.91	1.17	-9.65	-2.23	79	26	52.1	+5	94	48
Spindletop	0.13	15.31	0.99	-12.87	-1.72	75	28	53.9	+7	95	51
Williamstown	0.15	23.12	1.91	-5.19	-1.08	75	26	53.9	+7	94	48

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

WIND CHILL CHART

Wind+ Speed MPH	Air Temperature (Degrees Fahrenheit)																
	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
5	33	27	21	16	12	7	1	-6	-11	-15	-20	-26	-31	-35	-41	-47	-54
10	21	16	9	2	-2	-9	-15	-22	-27	-31	-38	-45	-52	-58	-64	-70	-77
15	16	11	1	-6	-11	-18	-25	-33	-40	-45	-51	-60	-65	-70	-78	-85	-90
20	12	3	-4	-9	-17	-24	-32	-40	-46	-52	-60	-68	-76	-81	-88	-96	-103
25	7	0	-7	-15	-22	-29	-37	-45	-52	-58	-67	-75	-83	-89	-96	-104	-112
30	5	-2	-11	-18	-26	-33	-41	-49	-56	-63	-70	-78	-87	-94	-101	-109	-117
35	3	-4	-13	-20	-27	-35	-43	-52	-60	-67	-72	-83	-90	-98	-105	-113	-123
40	1	-4	-15	-22	-29	-36	-45	-54	-62	-69	-76	-87	-94	-101	-107	-116	-128
45	1	-6	-17	-24	-31	-38	-46	-54	-63	-70	-78	-87	-94	-101	-108	-118	-128
50	0	-7	-17	-24	-31	-38	-47	-56	-63	-70	-79	-88	-96	-103	-110	-120	-128

WIND CHILL (Equivalent Temperature)

During the winter months many decisions are made which depend upon the temperatures and the extremes which might be expected. Not only do we dress according to the thermometer, but we use it to anticipate the feed requirements and care of livestock. If we have to be out-of-doors, as is the case with children who have to stand waiting for a school bus, we soon find that the temperature alone gives too little information. Should the temperature be zero with a light wind, we would not be as cold as with a strong wind. Thus if we have an idea of how much wind increases the chilling effect of temperature on the human body, we can get a better estimate of how "cold" it really is. If you have any questions regarding the graph please contact Tom Priddy at (859) 257-3000.